

10
11
21
22
43

Offenlegungsschrift 2102605

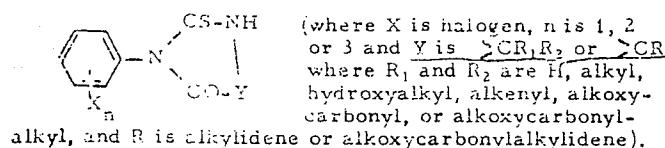
Aktenzeichen: P 21 02 605.1
Anmeldetag: 20. Januar 1971
Offenlegungstag: 29. Juli 1971

Ausstellungsriorität: —

30 Unionspriorität
32 Datum: 21.
33 Land: Jap
31 Aktenzeichen: 595

507715-C. C2. S
JA-005455. S31. S
Sumitomo Chemical Co Ltd. S
. axumi. S
C07d-49/36 (29-07-71)... S
HERBICIDAL THIOHYDANTOIN DERIVS...

NEW
Trichydantoin derivs. III



USES
Herbicides and as active ingredients in herbicide compositions, for pre-emergent use against grassy broad-leaved weeds. Rice seedlings are not affected. (I) can also be used to protect crops, beans, other vegetables, fruit orchards, lawns, pastures and fallow ground against *Portulaca oleracea*, *Polygonum longisetum*, *Stellaria media*, *Amaranthus retroflexus*, *Euphorbia supina* or *Cyperus microtis*.

C7-D9, C12-P6.

2 1

(I) can be combined with fungicides, insecticides, nematocides, herbicides and fertilisers.

ADVANTAGE

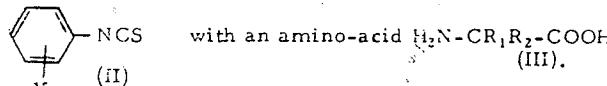
Very low toxicity to warm-blooded animals and fish.

PREFERRED

(1) where (a) X is Cl in 3-position, n = 1, and Y is $\text{>} \text{C}(\text{CH}_3)_2$; (b) X is Cl in 3- and 5-positions, n = 2, Y is $\text{>} \text{C}(\text{CH}_3)_2$; (c) X is Cl in 3-position, n = 1, Y is $\text{>} \text{CH-CH}(\text{CH}_3)_2$; (d) X is Cl in 3- and 5-positions, n = 2, Y is $\text{>} \text{CH}_2\text{C}_6\text{H}_5$.

PREPARATION

(a) (I) where Y is CR_1R_2 are pref. prep'd. by reacting a phenylisothiocyanate (II).



(b) (I) where Y is $\text{>} \text{CR}$ are pref. prep'd. by treating a hydantoin deriv. (IV).

Contd. 50771S

Prüfungsantrag gemäß § 28b PatG ist gestellt